Optimising inhaler education in patients with pulmonary disease

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Inhaled mediation is the cornerstone of the treatment of patients with asthma or COPD. Adequate inhaler technique is crucial to maximise the benefits of inhaled medication treatment. However, inadequate inhaler technique and device mishandling is...

Ethische beoordeling	Positief advies
Status	Werving gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON28559

Bron
Nationaal Trial Register

Aandoening

Asthma or COPD

Ondersteuning

Primaire sponsor: Martini Ziekenhuis Groningen
Overige ondersteuning: no funding, investigator initiated

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

The proportion of patients demonstrating adequate inhaler technique.

Toelichting onderzoek

Achtergrond van het onderzoek

Inhaled mediation is the cornerstone of the treatment of patients with asthma or COPD. Adequate inhaler technique is
crucial to maximise the benefits of inhaled medication treatment. However, inadequate inhaler technique and device
mishandling is a common and widespread issue. Although device inhaler education has been shown to improve
outcomes, research into the most optimal method or content of inhaler education is scarce. The newly developed inhaler
specific patient instruction cards might be beneficial in optimising inhaler education in patients with obstructive pulmonary
diseases resulting in beneficial effects in the management of patients using inhaled medication. In this randomised controlled trial the additional value of these inhaler specific instruction cards will be assessed in optimising inhaler technique in patients with asthma or COPD. In total 100 patients with asthma or COPD visiting the outpatient department of Pulmonary Diseases of the Martini Hospital Groningen will be included in this study. The study consists of two visits, respectively a baseline visit and a follow up visit (6 to 8 weeks later). At baseline, patients will be randomised to either the usual care group (receiving standard inhaler education: verbally instruction and correct inhaler use will be demonstrated and practised) or the usual care + group (standard inhaler education with an additional inhaler specific instruction card to support the inhaler education. At both visits inhalation technique will be assessed, as well as questionnaires on disease control, medication adherence, patient perceived side effects, patient satisfaction/experiences with the inhaler and instruction provided and satisfaction with the instruction card will be filled out bij the patient. The results of this study will be valuable in optimising the use of inhaled medication and subsequently optimal care for patients with asthma or COPD.

Doel van het onderzoek

Inhaled mediation is the cornerstone of the treatment of patients with asthma or COPD. Adequate inhaler technique is
crucial to maximise the benefits of inhaled medication treatment. However, inadequate inhaler technique and device
mishandling is a common and widespread issue. Although device inhaler education has been shown to improve
outcomes, research into the most optimal method or content of inhaler education is scarce. The newly developed inhaler
specific patient instruction cards might be beneficial in optimising inhaler education in patients with obstructive pulmonary
diseases resulting in beneficial effects in the management of patients using inhaled medication. The additional value of the use of these inhaler specific instruction cards in inhaler education in patients with asthma or COPD will be evaluated.

Onderzoeksopzet

The study consists of two visits, respectively a baseline visit and a follow up visit (6 -8 weeks after baseline).

Onderzoeksproduct en/of interventie

Patients in the usual care group will receive standard inhaler education from a COPD nurse. Instruction will be verbally
provided as well as correct inhaler use will be demonstrated and practised.

Patient in the usual care + group will receive additional to the standard inhaler education a inhaler specific instruction card
to support the inhaler education.

Contactpersonen

Publiek

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Wetenschappelijk

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- age 18 years or older

- diagnosis asthma or COPD

- using maintenance medication for pulmonary disease

- signed written informed consent

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

- received inhaler education in preceding 6 months

- difficulty with understanding the inhalation instruction (cognitive disorder or language problems)

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Gerandomiseerd
Blindering:	Dubbelblind
Controle:	Actieve controle groep

Deelname

Nederland

Status:	Werving gestart
(Verwachte) startdatum:	25-05-2015
Aantal proefpersonen:	100
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies

Datum:	24-04-2015
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 42356
Bron: ToetsingOnline
Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL5056
NTR-old	NTR5187
CCMO	NL52999.099.15
OMON	NL-OMON42356

Resultaten

Samenvatting resultaten
not yet